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ATTORNEYS AT LAW

1255 TWENTY-THIRD STREET

WASHINGTON, D. C. 20037

TELEPHONE (202) 857-2500

ALAN C. CAMPBELL

DIRECT DIAL NO.

857-2788

March 8, 1988

ORIGINAL

RECEIVED

MAR - 8 1988

Federal Communications Commission
Acting Secretary

ADJUTANT GENERAL'S

DIVISION

TELECOPIER (202) 659-0059

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TELEX 425546

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MAR 08 1988

FM EXAMINERS

H. Walker Feaster, III
Acting Secretary
Federal Communications Commission
Washington, D.C. 20554

NOTE: NO FEE REQUIRED

Re: Station KOFR(FM)
Odessa, Texas
File No. BPED-8407311E

Dear Mr. Feaster:

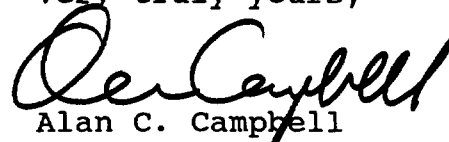
Transmitted herewith and filed in triplicate on FCC Form 340 on behalf of Family Stations, Inc., is an application to modify the above-referenced construction permit which authorized a new noncommercial FM station to serve the community of Odessa, Texas.

This proposed modification constitutes a major change, involving alternations in ERP, HAAT and transmitter location.

In accordance with Section 1.1112 of the Commission's Rules, no filing fee is required for this application.

Should any questions arise concerning this application, please contact the undersigned.

Very truly yours,


Alan C. Campbell

ACC/jml
Enclosure

90.5MHZ

BMPED -880308MI KOFR
ODESSA TX
FAMILY STATIONS, INC.

ENTERED ON
ZILOG 3/24/88

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March 7, 1988
DIVISION

MAR - 8 1988

Federal Communications Commission
Office of the Secretary

Federal Communications Commission
Washington, D.C. 20554

Re: ODESSA, TX
BPED-840731IE

Gentlemen:

Family Stations, Inc. certifies that the above-referenced station will operate in accordance with the rules of the FCC defining noncommercial educational operation as set forth in Section 73.503 were this application for a non-commercial FM station. Therefore, in accordance with Note 143 of the Report and Order in Gen. Docket No. 86-285, Family Stations, Inc. is exempt from filing fees in connection with this application. Upon grant of the modification, Family will immediately proceed with construction of the station.

Respectfully submitted,

FAMILY STATIONS, INC.

By: Scott Smith
Scott Smith
Vice President

ORIGINAL

APPLICATION FOR CONSTRUCTION PERMIT FOR
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION
(Carefully read instructions before filling out Form—RETURN ONLY FORM TO FCC)

BPED-880308MT
For Commission Use Only
MAR 9 12 20 AM '88
File No.
RECEIVED

Section I

General Information

MAR - 8 1988

1. Name of Applicant

Street Address Federal Communications Commission
Office of the Secretary

FAMILY STATIONS, INC.

3108 FULTON AVENUE

City

State

ZIP Code

Telephone No

(Include Area Code)

SACRAMENTO

CA

95821

(916) 481-8191

Send notices and communications to the following named person at the address below

Name

Street Address

FAMILY STATIONS, INC. at above address

cc: Dow, Lohnes & Albertson

ATTN: Alan Campbell

1255 TWENTY-THIRD STREET

City

State

ZIP Code

Telephone No

(Include Area Code)

WASHINGTON

DC

20037

(202) 857-2788

2. This application is for: ☐ AM ☒ FM ☐ TV

(a) Channel No. or Frequency: 90.5

(b) Community of license:

City

State

ODESSA

TX

(c) Check one of the following boxes:

- ☐ Application for new station
☐ Major Change in Existing station; call sign:
☐ Minor Change in Existing station; call sign:
☒ Modification of Construction Permit; File No. of CP:
☐ Amendment to Pending Application; Reference Number (ARN):

KOFR (FM) BPED-840731IE

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application?

☐ YES ☒ NO

If Yes, State:

Call letters:

Community of license:

N/A

City

State

1. Does the applicant propose to employ five or more fulltime employees?

☐ YES ☒ NO

If the answer is Yes, the applicant must include an EEO program called for in the separate 5 Point Model EEO Program [FCC Form 396 (A)].

Section VII

Certification

1. Has or will the applicant comply with the public notice requirement of Section 73.3580 of the Commission's Rules?

☒ YES ☐ NO

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and are incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with Section 1.65 of the Commission's Rules, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT.
U.S. CODE, TITLE 18, Section 1001.**

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this 7th day of March, 1988

FAMILY STATIONS, INC.
Name of Applicant

Scott L. Smith
Signature

SCOTT L. SMITH

Vice President
Title

**FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT
AND THE PAPERWORK REDUCTION ACT**

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, accountants, engineers, and application examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested Permit.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

Approved by OMB
Form No. 3060-0027
Expires: 5/31/88

CERTIFICATION OF SITE AVAILABILITY

1. The applicant certifies that it has reasonable assurance in

Name of Applicant **FAMILY STATIONS, INC.**

1. Purpose of authorization applied for:

☐ Construct a new station

☐ Install Auxiliary system

Change: ☒ Effective radiated power

☐ Frequency

☒ Antenna height above average terrain

☒ Transmitter location

☐ Studio location outside community of license

☐ Other (Summarize briefly the nature of the changes proposed.)

2. Community of license:

State

TEXAS

City or Town

ODESSA

3. Facilities requested:

Frequency

Channel No.

Class (Check one below)

90.5 MHz **213**

☐ A ☐ B ☐ B1
☐ C ☐ C1 ☒ C2 ☐ D

4. Geographic coordinates of antenna (to nearest second)

North Latitude

° ' " **31 53 50**

West Longitude

° ' " **102 33 57**

5. Effective radiated power:

Polarization

Horizontal Plane

Maximum (Beam tilt only)

Horizontal

6.5 kW

N/A kW

Vertical

6.5 kW

N/A kW

6. Height in meters of antenna radiation center:

Above
Average terrain (HAAT)

Above
Mean Sea Level

Above
Ground

Horizontal

138.4 meters **1073.8** meters **131.1** meters

Vertical

138.4 meters **1073.8** meters **131.1** meters

7. Is a directional antenna being proposed?

☐ YES ☒ NO

If Yes, attach as Exhibit No. **N/A** an engineering statement with all data specified in Section 73.316(d) of the Commission's Rules.

8. Transmitter location: State TEXAS County ECTOR
- City or Town ODESSA Street Address (or other identification) 11.0 miles NW of center
9. Overall height of complete structure above ground, including all appurtenances and lighting (if any, see Part 17). 152.4 meters
10. Attach as Exhibit No. E1 map(s) (Sectional Aeronautical charts or equivalent) of the area proposed to be served and shown thereon:
- (a) Proposed transmitter location and the radials along which the profile graphs have been prepared;
 - (b) The 1mV/m predicted contour;
 - (c) Area (sq. mi.) and population (latest census) within 1 mV/m contour;
 - (d) Scale of miles or kilometers (kilometers if available).
11. Attach as Exhibit No. E1 a map (Sectional Aeronautical charts where obtainable) showing the present and proposed 1 mV/m (60 dbu) contours.
- Enter the following from Exhibit above:
- | | | |
|-----------|------------|---------|
| Gain Area | <u>811</u> | sq. mi. |
| Loss Area | <u>98</u> | sq. mi. |
- Percent change (gain area plus loss area as percentage of present area) 139.4 %.
- If 50% or more this constitutes a major change. Indicate in question 2(e), Section I, accordingly.
12. If the main studio will not be within the boundaries of the principal community to be served, attach as Exhibit No. N/A a justification pursuant to Section 73.1125(f) of the Commission's Rules.
13. Attach as Exhibit No. E2 map(s) (7.5 minute U.S. Geographic Survey topographic quadrangles if available) of the proposed antenna location showing the following information:
- (a) Proposed transmitter location accurately plotted with the latitude, the longitude lines clearly marked and showing a scale of statute kilometers.
 - (b) Transmitter location and call letters of all AM broadcast stations within 2 miles of the proposed antenna location.
14. If there are any FM or TV stations within 200 feet of proposed antenna or non-broadcast radio stations (except amateur and citizens band), or established commercial and government receiving stations in the general vicinity which may be adversely affected by the proposed operation, attach as Exhibit No. E3 the expected effect, a description of remedial steps that may be pursued if necessary, and a statement from the applicant accepting full responsibility for the elimination of any objectionable effect on existing stations.

15. Tabulation of Terrain Data. (Calculated in accordance with the procedure prescribed in Section 73.313 of the Commission's Rules utilizing 7.5 minute topographic maps, if available.)

Radial bearing (degrees true)	Height of antenna, radiation center above average elevation of radial (3-16 kilometers) Meters	Predicted Distance	
		To the 1 mV/m contour	
		Kilometers	
0°	135.3	32.8	
45°	157.6	35.3	
90°	170.1	36.4	
135°	168.2	36.2	
180°	133.5	32.7	
225°	122.8	31.6	
270°	95.7	28.3	
315°	123.1	31.6	
AVERAGE	138.4	33.2	

Allocation Studies

(See Subpart C of Part 73 of the Commission's Rules and Regulations)

16. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?
☒ Yes ☐ No
 If Yes, attach as Exhibit No. E4 a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.
17. With regard to stations within 320 kilometers (199 miles) of the common border between the United States and Mexico, attach as Exhibit No. E4 information required in 1/.
18. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), then with regard to stations more than 320 kilometers (199 miles) from the common border between the United States and Mexico or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as Exhibit No. E4 a complete allocation study to establish the lack of prohibited overlap of contours involving these stations. The allocation study should include the following:

a. The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.

19. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada?

☐ Yes ☒ No

If Yes, attach as Exhibit No. N/A showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

20. With regard to station separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as Exhibit No. E4 information required in 1 (*separation requirements involving intermediate frequency [i.f.] interference*).

21. Is the proposed operation on Channel 218, 219 or 220?

☐ Yes ☒ No

If Yes, attach as Exhibit No. N/A information required in 1 regarding separation requirements with respect to stations on Channels 221, 222, and 223.

22. Is the proposed station for a channel in the range from Channel 201 to 221 (88.1-91.9 MHz) and the proposed antenna location within the Grade B contour of a channel 6 television station or sufficiently near the Grade B contour that a question of interference to channel 6 may be raised?

☐ Yes ☒ No

If Yes, attach as Exhibit No. N/A a map showing the Grade B contour of the television station and the proposed antenna location. Also

Section V-G

Antenna and Site Information

Name of Applicant

Call Sign

Station Location

FAMILY STATIONS, INC.

KOFR

ODESSA, TX

Purpose of Application (Put "X" in appropriate box)

☐ New antenna construction☒ Alteration of existing antenna structure☐ Change in location

Facilities Requested

90.5 Mhz 6.5 KW ERP

3 bay antenna sidemounted on existing tower

1. Location of Antenna:

State

TEXAS

County

ECTOR

City or Town

ODESSA

Exact antenna location (*street address*). If outside city limits, give name of nearest town and distance and direction of antenna from town.

11.0 miles NW of center of Odessa

Geographical coordinates (*to nearest second*). For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude

31° 53' 50"

West Longitude

102° 33' 57"

2. Is the proposed site the same transmitter-antenna site of other stations authorized by the Commission or specified in another application pending before the Commission?

☐ YES ☒ NO

If Yes, give call sign: 2-way/paging, etc. only

3. Has the FAA been notified of proposed construction? Southwest Regional Office

☒ YES ☐ NO

6. Attach as Exhibit No. E6 a vertical plan sketch for the proposed total structure (including supporting building, if any) giving heights above ground in feet and meters for all significant features. Clearly indicate existing portions, noting lighting, and distinguish between the skeletal or other main supporting structure and the antenna elements.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Linda Adams

Name



Signature (Check appropriate box below)

3108 Fulton Ave., Ste 1

Address (include ZIP Code)

Sacramento, CA 95821

(916) 481-8191

Telephone No. (Include Area Code)

☐ Technical Director

☐ Registered Professional Engineer

☐ Other (specify)

☒ Technical Consultant

☐ Chief Operator

KOFR
Odessa, TX

EXHIBIT E3

MARCH 1988

The proposed facility will utilize an existing tower that is currently used for 2-way, paging, or other business radio operations. However, the Applicant will assume full responsibility for the elimination of any interference to other existing stations within the general vicinity.

KOFR
Odessa, TX

EXHIBIT E4

MARCH 1988

The proposed transmitter site exceeds the minimum distance separation requirement plus 15 km to all existing stations or allocations in Mexico, and all stations separated by 53 or 54 channels.

There are no other existing stations or applications that require a detailed study other than those listed below:

211A New App, Midland, TX BPED831121AI

Coordinates: 32-01-28 / 102-05-27

ERP: .39 KW

HAAT: 24 meters

1 MV: 7.9 km (4.9 miles)

10 MV: 2.4 km (1.5 miles)

Actual separation distance: 47.0 km (29.2 miles)

Required separation distance: 35.6 km (22.1 miles)

Clear: 24.9 km (15.5 miles)

211A New App, Midland, TX 840731IG

Coordinates: 31-59-48 / 102-04-41

ERP: 3.0 KW

HAAT: 81 meters

1 MV: 21.9 km (13.6 miles)

10 MV: 6.8 km (4.2 miles)

Actual separation distance: 47.3 km (29.4 miles)

Required separation distance: 39.9 km (24.8 miles)

Clear: 7.4 km (4.6 miles)

213 KOFR, Odessa, TX BPED840731IE

1 MV: 33.2 km (20.6 miles)

10 MV: 10.9 km (6.8 miles)

KOFR
Odessa, TX

EXHIBIT E5

MARCH 1988

The proposed facility will operate with an ERP of 6.5
KW (H&V). with the 3-bay antenna radiation center at 131.1

EXHIBIT E6

MARCH 1988

Proposed 3-bay radiation ctr

131.1 meters (430') AGL

1073.8 meters (3523') AMSL

Existing Tower, incl light

152.4 meters (500') AGL

1095.1 meters (3593') AMSL

EQUIP.
BLDG.

942.7 meters (3093') AMSL

MSL

NOT TO SCALE

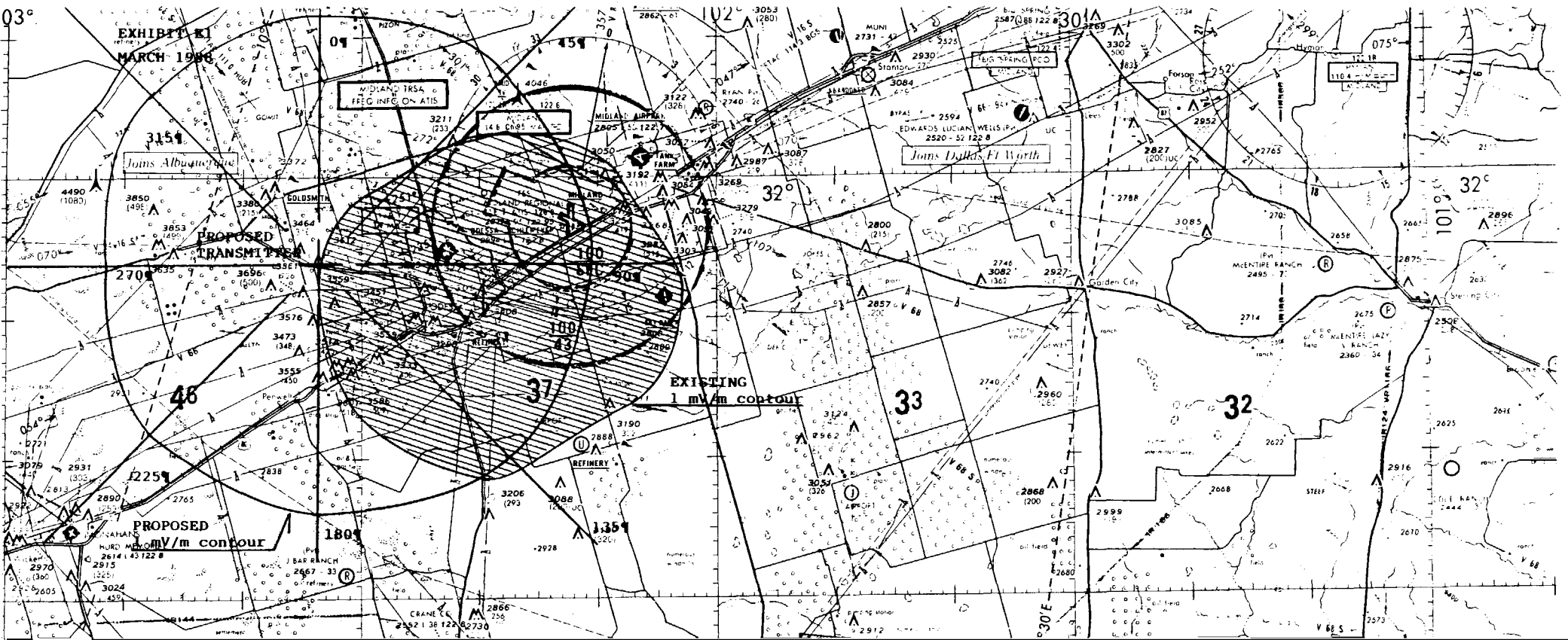


EXHIBIT E2

MARCH 1988

LAT $31^{\circ}53'50''$
LONG $102^{\circ}33'57''$

RADIO
TOWER

